



HP15_3447
 HP15_1891
 HP15_2517
 HP15_215
 HP15_3659
 HP15_2301
 HP15_3428
 HP15_2663
 HP15_3810
 HP15_2365
 HP15_3491
 HP15_2297
 HP15_2377
 HP15_3427
 HP15_120
 HP15_1185
 HP15_3429
 HP15_3219_2
 HP15_3514
 HP15_3513
 HP15_2320
 HP15_3660
 HP15_1054
 HP15_328
 HP15_2328
 HP15_523
 HP15_3981
 HP15_425
 HP15_2011
 HP15_725
 HP15_1053
 HP15_1037
 HP15_3354
 HP15_2615
 HP15_3961
 HP15_2961
 HP15_746
 HP15_3947
 HP15_2937
 HP15_185
 HP15_3968
 HP15_3484
 HP15_3116
 HP15_1547
 HP15_2234
 HP15_2415_1
 HP15_806
 HP15_3664
 HP15_3356
 HP15_3166
 HP15_1567
 HP15_241
 HP15_1407
 HP15_812
 HP15_3183
 HP15_3808_2
 HP15_3808_1
 HP15_788
 HP15_2415_2
 HP15_2093
 HP15_1613
 HP15_3219_1
 HP15_1248
 HP15_3184
 HP15_3134
 HP15_1249



Orphan
 Pair
 Triad
 Tetrad
 Pentad+

Cluster

Family

Domains

Cluster	Family	Domains
Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Orphan	PleD_VieA	1 Response_reg,1 PAS_4,1 GGDEF,1 EAL
Orphan	PleD_VieA	1 Response_reg,1 GGDEF,1 EAL
Pair	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	CheY	1 Response_reg
Pentad+	RpfG	1 Response_reg,1 HDOD
Pair	CitT	1 Response_reg,1 CitT
Orphan	CheY	1 Response_reg
Orphan	PleD	1 Response_reg,1 GGDEF
Orphan	unclassified	1 REC
Pair	CheB	1 Response_reg,1 CheB_methylst
Orphan	unclassified	1 Response_reg
Pentad+	CheY	1 Response_reg
Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Pentad+	PleD	1 Hpt,1 Response_reg,1 GGDEF
Orphan	PleD	2 Response_reg,1 GGDEF
Orphan	CheY	1 Response_reg
Orphan	CheY	1 Response_reg
Orphan	RsbU	1 Response_reg,1 SpoII
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	Hybrid	1 Response_reg,1 PAS,1 HisKA,1 HATPase_c
Pair	unclassified	1 Response_reg,1 AAA_5,1 Mga
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	PrrA	1 Response_reg,1 HTH_8
Pair	NtrC	1 Response_reg,1 AAA_5,1 HTH_8
Pair	unclassified	1 Response_reg,1 AAA_5
Pair	NtrC	1 Response_reg,1 AAA_2,1 HTH_8
Pair	NarL	1 Response_reg,1 GerE
Pair	NarL	1 Response_reg,1 HTH_LUXR
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Pair	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	OmpR	1 Response_reg,1 Trans_reg_C
Orphan	CheV	1 CheW,1 Response_reg
Orphan	CheV	1 CheW,1 Response_reg
Orphan	unclassified	1 Response_reg
Orphan	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg
Pair	PleD_VieA	1 Response_reg,1 PAS_4,1 GGDEF,1 EAL
Orphan	unclassified	1 Response_reg
Orphan	unclassified	1 Response_reg
Pair	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 GerE
Pair	LytTR	1 Response_reg,1 LytTR
Orphan	LytTR	1 Response_reg,1 LytTR
Orphan	NarL	1 Response_reg,1 HTH_LUXR
Orphan	NarL	1 Response_reg,1 GerE
Orphan	Unorthodox	1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	1 PAS,1 HisKA,1 HATPase_c,2 Response_reg,1 Hpt
Orphan	Unorthodox	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg,1 Hpt
Orphan	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,2 Response_reg
Orphan	Hybrid	1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 HAMP,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	PleD	2 Response_reg,1 GGDEF
Triad	VieB	1 Response_reg,1 TPR_1
Orphan	Hybrid	1 PAS_4,1 HisKA,1 HATPase_c,1 Response_reg
Orphan	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg
Triad	Hybrid	1 PAS,1 HisKA,1 HATPase_c,1 Response_reg